

**AESO Assessment and Conversion of NERC MOD-017-0.1 to Alberta MOD-017-AB-0.1
Aggregated Actual and Forecast Demands and Net Energy for Load**

Section	NERC MOD-017-0.1	Alberta MOD-017-AB-0.1	Reason for Difference¹
Purpose	To ensure that assessments and validation of past events and databases can be performed, reporting of actual Demand data is needed. Forecast demand data is needed to perform future system assessment to identify the need for system reinforcement for continued reliability. In addition to assist in proper real-time operating, load information related to controllable Demand-Side Management programs is needed.	<u>The purpose of this reliability standard is to ensure that reporting of actual demand data is performed in order to allow for assessments</u> the assessment and validation of past events and databases can be performed, reporting of actual Demand data is needed., and that the reporting of forecast demand data is needed to performed to allow for the future system assessment to identify the need for system reinforcement for continued reliability. In addition to assist in proper real-time operating, load information related to controllable Demand-Side Management programs is needed.	Alberta does not currently have demand system management program. Writing style changes.
Applicability	4.1. Load-Serving Entity 4.2. Planning Authority 4.3. Resource Planner	This reliability standard applies to: • Load-Serving Entity <u>ISO</u> 4.2. Planning Authority 4.3. Resource Planner	To identify the responsible entity in Alberta.
Effective	May 13, 2009	<u>Ten calendar days after the date of</u>	To identify the effective

¹ The following revisions have been made throughout this proposed reliability standard:

- Identified the responsible entities in Alberta.
- Applied a consistent writing style and added clarity.
- Changed passive terms such as “shall” to “must.”
- Developed measures specific to the requirements

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Date		<u>approval by the Commission. April 1, 2005</u>	date in Alberta.
Definitions		Italicized terms used in this reliability standard have the same meanings as set out in the Alberta Reliability Standards Glossary of Terms and Part 1 of the ISO Rules. ²	
Requirement	R1. The Load-Serving Entity, Planning Authority and Resource Planner shall each provide the following information annually on an aggregated Regional, subregional, Power Pool, individual system, or Load-Serving Entity basis to NERC, the Regional Reliability Organizations, and any other entities specified by the documentation in Standard MOD-016-1_R1.	R1 The Load-Serving Entity, Planning Authority and Resource Planner-ISO shall <u>must each</u> provide the following information annually on an aggregated Regional, subregional, Power Pool, individual system, or Load-Serving Entity <u>Alberta</u> basis to the NERC, the Regional Reliability Organizations, and any other entities specified by the documentation in Standard MOD-016-1_R1 <u>WECC</u> .	To identify the responsible entity in Alberta; and to whom this data is sent.
Measure		MR1 Confirmation exists that the information has been sent and was sent within one year of the last update.	
Requirement	R1.1. Integrated hourly demands in megawatts (MW) for the prior year.	R1.1 Integrated hourly demands in MW for the prior year.	
Measure		MR1.1 Document includes content as specified in requirement R1.1.	
Requirement	R1.2. Monthly and annual peak hour actual demands in	R1.2 Monthly and annual peak hour	To clarify the data that is

² Defined terms are not italicized in this document, but will appear in the Alberta reliability standards document when it is developed.

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	MW and Net Energy for Load in gigawatthours (GWh) for the prior year.	actual demands in MW and Net Energy for Load in gigawatthours (GWh) for the prior year of the data reported in R1.1, and monthly summations in GWh of the data reported in R1.1 for the prior year.	submitted to WECC consistent with the current format.
Measure		MR1.2 Document includes content as specified in requirement R1.2.	
Requirement	R1.3. Monthly peak hour forecast demands in MW and Net Energy for Load in GWh for the next two years.	R1.3. Monthly peak hour forecast demands in MW and Net Energy for Load in GWh of same data identified in requirement R1.2 for the next two years.	To clarify the data that is submitted to WECC.
Measure		MR1.3 Document includes content as specified in requirement R1.3.	
Requirement	R1.4. Annual Peak hour forecast demands (summer and winter) in MW and annual Net Energy for load in GWh for at least five years and up to ten years into the future, as requested.	R1.4. Annual Peak hour forecast demands (summer and winter) in MW and annual Net Energy for load in GWh for at least five years and of same data identified in requirement R1.2 for up to the next 10 years into the future, as requested by WECC.	To clarify the data that is submitted to WECC.
Measure	M1. Load-Serving Entity, Planning Authority, and Resource Planner shall each provide evidence to its Compliance Monitor that it provided load data per Standard MOD-017-0_R1.	MR1.4 Document includes content as specified in requirement R1.4.	Developed measure specific to the requirement.
Procedures		None identified.	
Compliance	To view the compliance section D of the NERC reliability standard follow this link : http://www.nerc.com/files/MOD-017-0_1.pdf		There is no compliance section currently proposed in the Alberta Reliability

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			<p>Standards.</p> <p>A compliance program will be developed at a later date for Alberta Reliability Standards that recognizes the compliance monitoring and enforcement structure in Alberta.</p> <p>This approach is deemed consistent with the existing ISO Rules.</p>
Regional Differences	None identified.	None identified.	Not applicable in Alberta



Proposed Terms for the Alberta Reliability Standards Glossary:

None

Existing Defined Terms used in this standard:

(As included in the ISO Rules Definitions or Alberta Reliability Standards Glossary)

- Commission
- days
- demand[♦]
- ISO
- MW
- reliability
- reliability standard
- system
- WECC

[♦] Term appears in the Alberta Reliability Standards Glossary of Terms – July 2009 rules cycle